

Ahmed Bahgat

Research Assistant



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Personal Summary

Having excellent research potential and ability to actively contribute in the research project's goals as well as a proven publication track record and a good standard of written English. Able to interact with all researchers in a constructive, creative and professional manner during the processing.

Personal Information

Birth Date:	1 January 1983
Gender:	Male
Nationality:	Egyptian
Visa Status:	Citizen
Residence Location:	Egypt
Marital Status:	Married

Professional Experience

Research Assistant

December 2013 till Now

Centre of Advanced Material, Qatar University

Participated in research projects for corrosion protection:

1-The internal Grant number is **QUUG-CAM-CAM-12/13-2**

Title: Metal Nanoparticles/Corrosion Inhibitors Systems as a New Corrosion Inhibition Technique for Fe.

2-Development of superhydrophobic coating for corrosion application

August 2008 – December 2013

Safety Engineer

1-Egyptian Company for Metro from 03/2010 to 12-2013

2-DSD Ferrometalco, Egypt from 08/2008 to 02/2010 **Company Industry: Steel Construction**

December 2005 - April 2007:

Officer in Chemical Weapon War

Egyptian Armed Military

Job Role/Department: Chemical Weapon War

Job responsibilities

*Training on the protection against the Chemical Hazards.

*Training on the protection against the Radiation Hazards

*Training on the first Aid.

Skills

*Using scientific methodology to solve problems.

*Understanding written sentences and paragraphs in work related documents.

*Understanding the implications of new information for both current and future problem-solving and decision-making.

*Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

*Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times

*well versed usage with Open Circuit Potential.

*Well versed usage with Cyclic Voltammeter, Electrospinning and Contact Angle Data-physics (OCA35).

*Analysis data of Scanning Electron Microscope (SEM), Energy Dispersion Spectroscopy (EDS) and FTIR.

* Self motivated

Education& Courses

March-2010-August 2013

M.Sc in Inorganic Chemistry (Electrochemical behavior of reinforcing steel in some corrosive and inhibitive media)

Zagazig University

September 2011- September 2012:

Diploma in statistical control and quality assurance

Institute of Statistical Studies and Research

Cairo University

A.U.C, Cairo, Egypt (Safety Course)

April 2009:

*Have successfully passed Risk Assessment Course.

*Have successfully passed HAZWOPER 40 Hour training course.

*Have successfully passed course 7600 Disaster Site worker.

*Have successfully passed Disaster work training program.

October 2008:

SESCO, Zagazig, Egypt

* Have successfully passed all modules required for the granting of the International Computer Driving License (ICDL).

September 2000-May 2004: Faculty of Science, Egypt
B.Sc in Chemistry
Grade V.Good

Published Paper

- 1- Environmental factors affecting the corrosion behaviour of reinforcing steel. V. Role of chloride and sulphate ions in the corrosion of reinforcing steel in saturated Ca(OH)_2 solutions. S.M. Abd El Haleem, S. Abd El Wanees , **A. Bahgat**. Corrosion Science. 75 (2013) 1–15. (IF=4.4)
- 2- Environmental factors affecting the corrosion behaviour of reinforcing steel. VI. Benzotriazole and its derivatives as corrosion inhibitors of steel. S. M. Abd -Haleem S. Abd El Wanees, and **A. Bahgat**. Corrosion Science, 87 (2014) 321-333. (IF=4.4)
- 3- **A. Bahgat Radwan**, R. A. Shakoor, Anton Popelka. Improvement in Properties of Ni-B Coatings by the Addition of Mixed Oxide Nanoparticles. Int. J. Electrochem. Sci., 10 (2015) 7548 – 7562. (IF=1.5)
- 4- **A. Bahgat Radwan**, Aboubakr M. Abdullah, Hans J. Roven1, Adel M. Mohamed, Mobbassar Hassan SK. Failure Analysis of 316L Air Cooler Stainless Steel Tube in a Natural Gas Production Field. Int. J. Electrochem. Sci., 10 (2015) 7606 – 7621. (IF=1.5)
- 5- **A. Bahgat Radwan**, Adel M.A. Mohamed, Aboubakr M. Abdullah, Mariam A. Al-Maadeed. Corrosion protection of electrospun PVDF–ZnO superhydrophobic coating Original Research Article. Surface and Coatings Technology 289 (2016) 136-143. (IF=1.99).

Published Book Chapter

- 1- A.M.A Mohamed · Aboubakr Moustafa Abdullah · Mariam Al-Maadeed · Ahmed Bahgat fundamental, fabrication and applications of superhydrophobic surfaces . IGI Global publisher.